U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

 REG
 STATE
 PROJECT
 SHEET NO. SHEETS

 8
 AR
 AR PFH 159(1)
 A01
 29



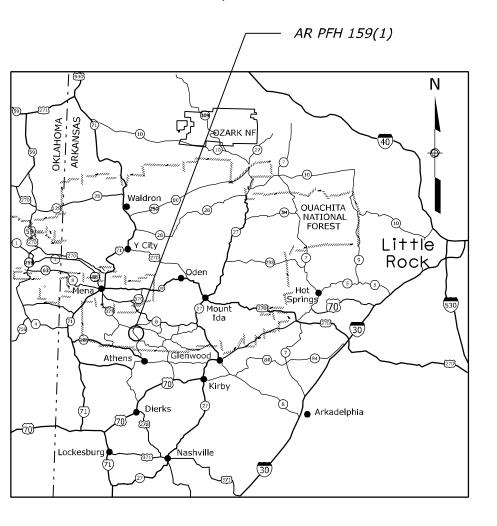
PLANS FOR PROPOSED

PROJECT AR PFH 159(1)

RECONSTRUCTION OF RETAINING WALL AND OTHER MISCELLANEOUS WORK

OUACHITA NATIONAL FOREST

POLK COUNTY, ARKANSAS



0 20 40

INDEX TO SHEETS

SHEET NO	DESCRIPTION
A01	Title Sheet
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B01	Typical Section
C01	Tabulation of Quantities
C02-C03	Construction Sign And Schedule
D01	Construction Plan
E01	Wall Profile
M01	Erosion and Sediment Control Narrative
M02	Erosion and Sediment Control Plan
N01	Temporary Traffic Control Plan
S01-S10	Standards And Details
P01	Boring Location Plan And Subsurface Profile
T01-T05	Cross Sections

DESCRIPTION OF PROJECT

KEY MAP

STATE OF ARKANSAS

IMPROVEMENT: Retaining wall, aggregate base and other

miscellaneous work.

PROJECT LENGTH: 130 Feet

ROAD: Caddo Road (CR-64)

DESIGN DESIGNATION:

ADT (2001)	<100
ADT (2028)	200
DHV	15
D	50/50
%Truck	N/A
V (MPH)	30
C/A	None
e(may)	8%

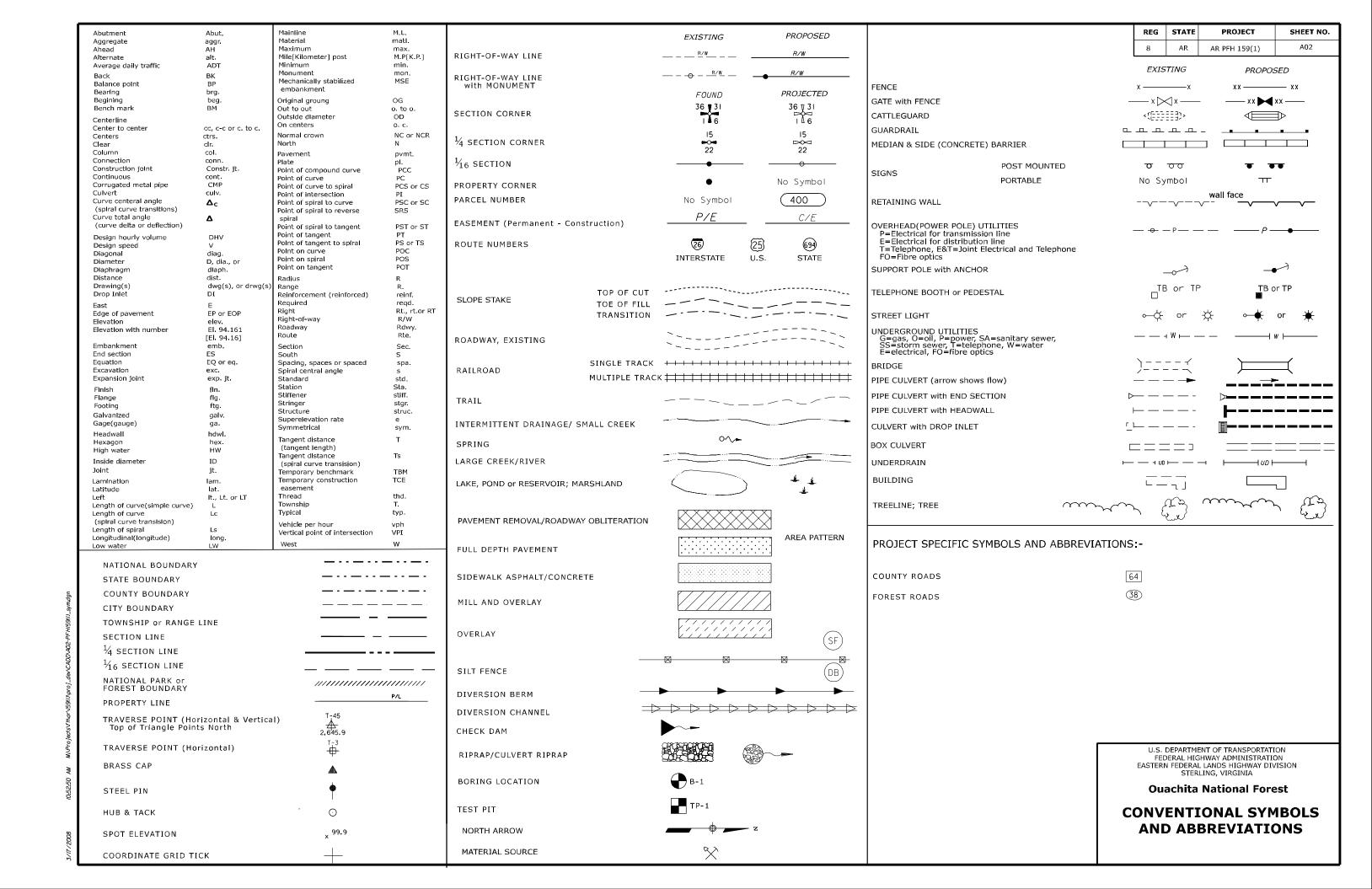
SPECIFICATIONS:

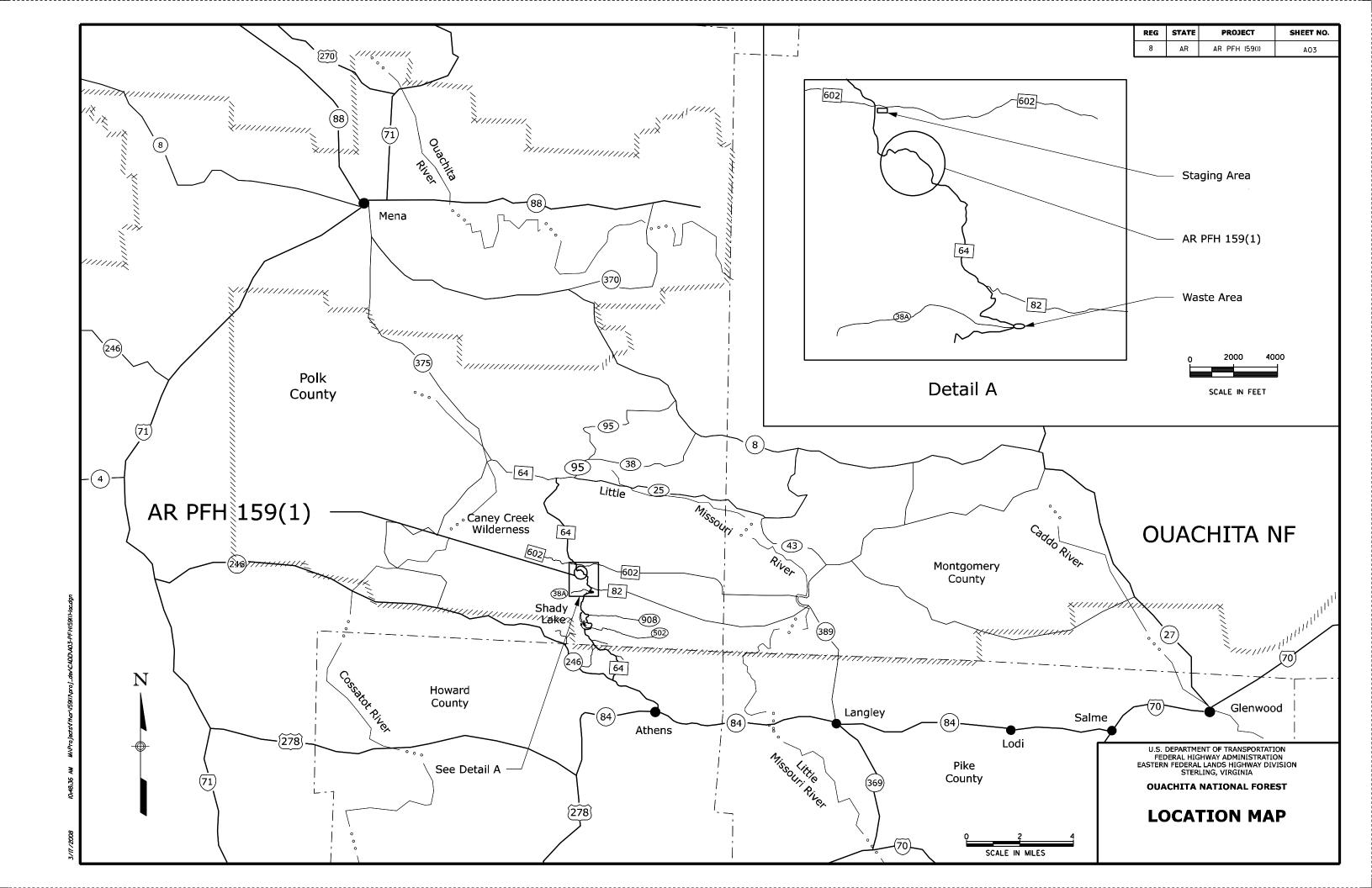
"Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects", FP-03 U.S.Customary Units.

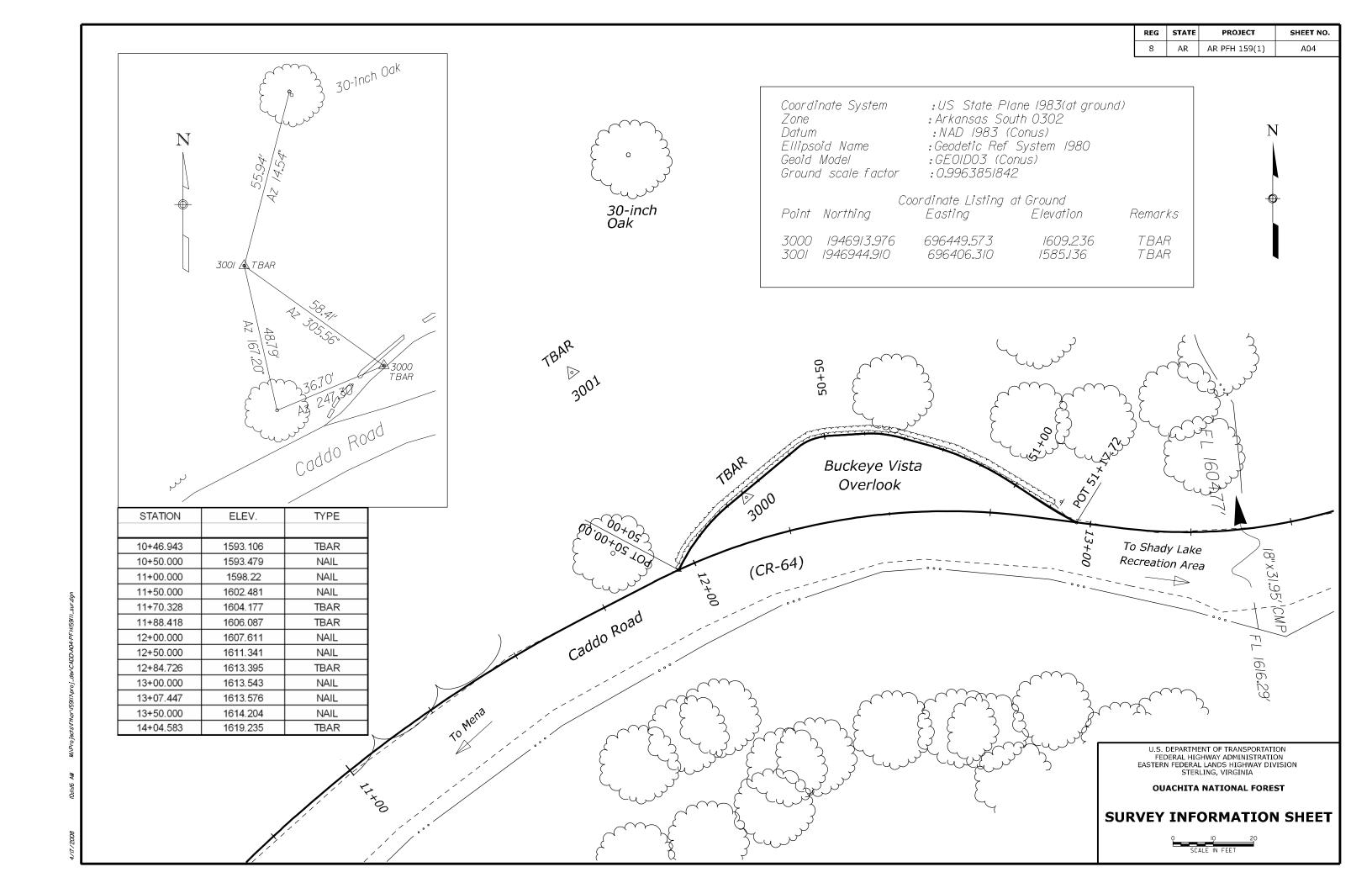
PLANS PREPARED BY



EASTERN FEDERAL LANDS HIGHWAY DIVISION STERLING, VIRGINIA MARCH, 2008



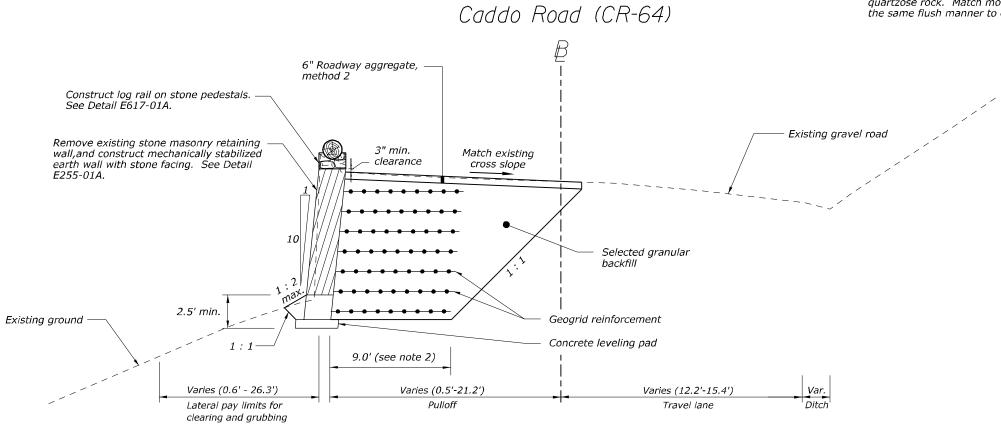




REG	STATE	PROJECT	SHEET NO.	
8	ΔR	AR PFH 159(1)	ВОІ	

NOTES:

- 1. Place topsoil a minimum depth of 2-inches on all disturbed areas except the gravel pull-off area per Section 624, and establish turf in accordance with Section 625.
- 2. Construct geogrid reinforcement with a minimum embedment length of 4.0 feet in areas where the maximum height of the retained soil is equal to or less than 4.0 feet.
- 3. Remove and salvage existing stone from stone masonry retaining wall, and construct mechanically stabilized earth wall. Use the salvaged stones to construct the stone facing, using existing stones to the maximum extent possible. For any additional stone, use a similar sized and colored quartzose rock. Match mortar color to the existing mortar, and mortar in the same flush manner to create the same appearance as the existing wall.



U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION STERLING, VIRGINIA

OUACHITA NATIONAL FOREST

TYPICAL SECTION

REG	STATE	PROJECT	SHEET NO.
8	AR	AR PFH 159(1)	COI

	PLAN SHEET SECT	ION>>		ESTIMATED	QUANTITIES
ITEM	DESCRIPTION	UNIT		PLAN	BID SCHEDULE
15101-0000	MOBILIZATION	LPSM	=======	ALL	ALL
15201-0000	CONSTRUCTION SURVEY AND STAKING	LPSM		ALL	ALL
15401-0000	CONTRACTOR TESTING	LPSM		ALL	ALL
15705-0100	SOIL EROSION CONTROL, SILT FENCE	LNFT	190	190	190
15705-0500	SOIL EROSION CONTROL, TEMPORARY CULVERT PIPE (12" FLEXIBLE PLASTIC)	LNFT	130	130	130
15706-0200	SOIL EROSION CONTROL, CHECK DAM	EACH	2	2	3
20103-0000	CLEARING AND GRUBBING	SQYD	210	210	210
20303-3500	REMOVAL OF STONE MASONRY	SQYD	90	90	90
20701-1000	EARTHWORK GEOTEXTILE, TYPE III-A	SQYD	110	110	110
20703-0000	GEOGRID	SQYD	1000	1000	1,000
20801-0000	STRUCTURE EXCAVATION	CUYD	600	600	600
25501-1000	MECHANICALLY STABILIZED EARTH WALL, WELDED WIRE FACE	SQFT	1200	1200	1,200
25510-0000	SELECT GRANULAR BACKFILL	CUYD	500	500	500
30802-2000	ROADWAY AGGREGATE, METHOD 2	TON	100	100	100
60101-0000	CONCRETE (MSE WALL)	CUYD	20	20	20
60501-0000	STANDARD UNDERDRAIN SYSTEM	LNFT	140	140	140
60504-0000	GEOCOMPOSITE SHEET DRAIN SYSTEM (MSE WALL)	SQYD	90	90	90
61701-4400	GUARDRAIL SYSTEM SBLG (LOGRAIL ON STONE PEDESTAL)	LNFT	130	130	130
62002-0000	STONE MASONRY	SQYD	110	110	110
62401-0100	FURNISHING AND PLACING TOPSOIL, 2-INCH DEPTH	SQYD	520	520	520
62502-0000	TURF ESTABLISHMENT	SQYD	520	520	520
62901-0500	ROLLED EROSION CONTROL PRODUCT, TYPE 2.A	SQYD	210	210	210
63316-1000	REMOVE AND RESET SIGN	EACH	1	1	1
63502-1300	TEMPORARY TRAFFIC CONTROL, DRUM	EACH	12	12	12
63503-0400	TEMPORARY TRAFFIC CONTROL, CONCRETE BARRIER	LNFT	130	130	130
63504-1000	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN	SQFT	100	100	100
63506-0500	TEMPORARY TRAFFIC CONTROL, FLAGGER	HOUR	400	400	400

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

OUACHITA NATIONAL FOREST

TABULATION OF QUANTITIES

NO SCALE

	REG STATE PROJECT SHEET NO. 8 AR AR PFH 159(1) C02														
			LOCATION			PANE	SIZE		TE	XT SIZE					8 AR AR PFH 159(1) C02
Sign No.	Text No.	Sign Text		ide Wid	dth Heig n.) (in.	nt Area) (sq ft)	Corner Border Mar Radii Width Wid (in.) (in.) (in.	gin Numbers (in.)	Upper Case (in.)	Lower Case (in.)	Series Color Combination	Quantity	Total Area (sq ft)	(No Pay) Support (ft)	Remarks
/	RI-2	YIELD	See Note 3	3	36 36	6 3.9		See /	Vote 2 -		Red on White	2	7.8	2(16) =32	Single 4" x 4" post
2	RI-2a	TO ONCOMING TRAFFIC	See Note 3	2	24 12	2 2		See /	Vote 2-		Black on White	2	4	-	Mount on sign #1
3	W3-2		See Note 3	3	36 36	5 9		See /	Vote 2-		Black on Orang	2	18	2(16) = 32	Single 4" x 4" post
4	W/3-/	20 M. P. H.	See Note 3	2	24 24	4	-	See I	Vote 2 -		Black on Orang	2	8	-	Mount under sign #7
5	W16-2	500 FEET	See Note 3	2	24 18	3		See /	Vote 2-		Black on Orang	2	6	-	Mount under sign #3 or 8
NOTE	ES:		1							S	Subtotal	8	43.8	64	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION STERLING, VIRGINIA VIRGINISTERLING, VIRGINIA

- I. Install supports in accordance with Detail E635-01.
- 2. See "Manual on Uniform Traffic Control Devices, 2003 Edition" and "Standard Highway Signs" for dimensions.
- 3. See Details 635-6, E635-07A and E635-13.
- 4. See Temporary Traffic Control Plan.

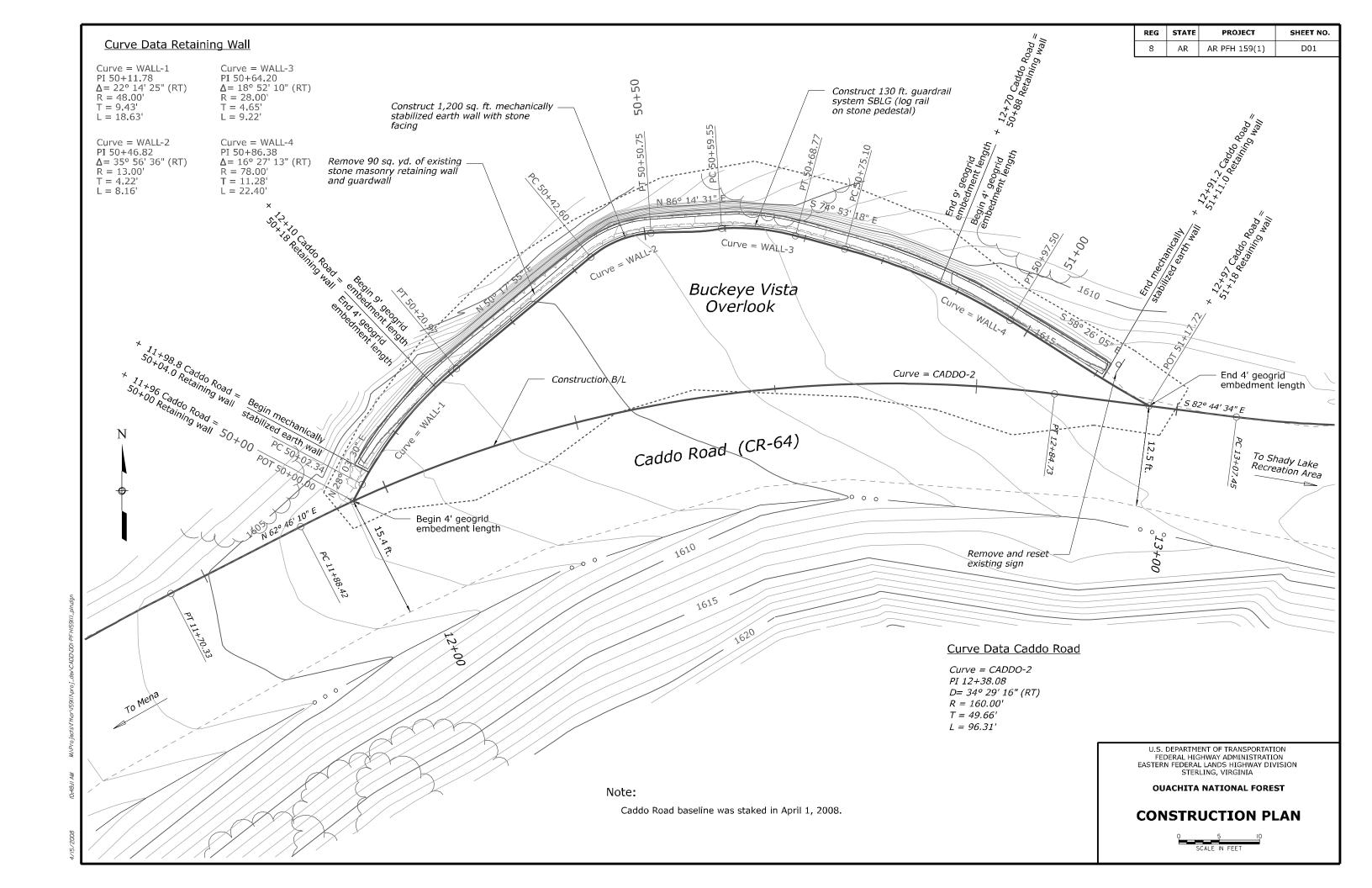
OUACHITA NATIONAL FOREST

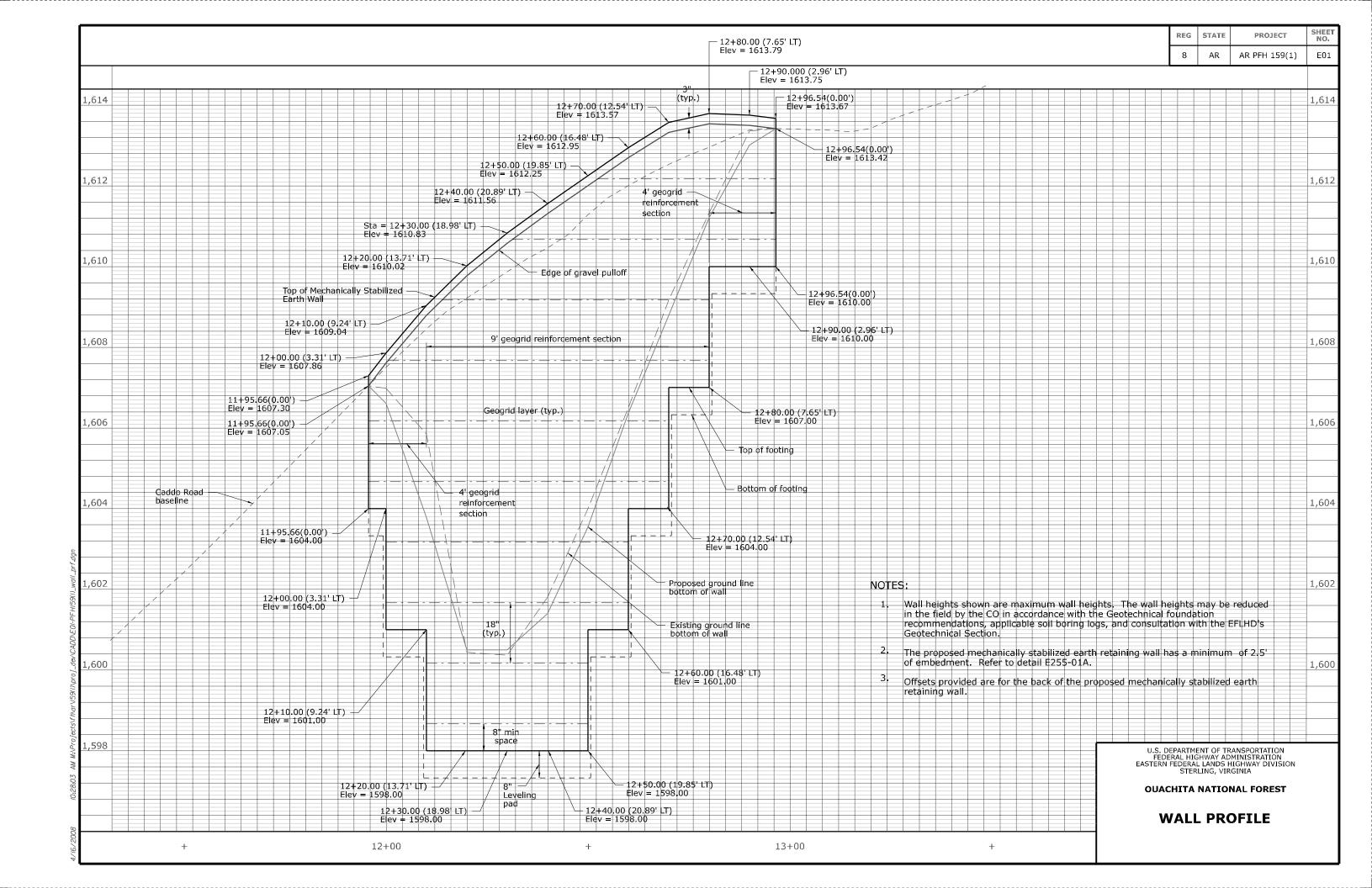
CONSTRUCTION SIGN SCHEDULE

Sheet I of 2

																			8	STATE AR	PROJECT AR PFH 159(1)	SHEI
	Taud		LOCAT	ION			PANEL	SIZE	In I lu			TEX	KT SIZE							'		
ign Io.	Text No.	Sign Text	Station	Side	Width (in.)	Height (in.)	Area (sq ft)	Corner Radii (in.)	Border M Width W (in.)	Margin Midth (in.)	Numbers (in.)	Upper Case (in.)	Lower Case (in.)	Series	Color Combination	Quantity	Total Area (sq ft)	(No Pay) Support (ft)		Rer	narks	
6	W20-I	ROAD WORK AHEAD	See Note 3		36	36	9				See N	ote 2 -			Black on Orange	2	18	2(16) = 32	Single 4"	x 4" po.	5†	
7	W20-4	ONE LANE ROAD AHEAD	See Note 3		36	36	9	_			See N	ote 2 -		-	Black on Orange	2	18	-	Portable	Sign		
8	W20-7a		See Note 3		36	36	9	-			See N	ote 2 -			Black on Orange	2	18	-	Portable	Sign		
	TES:	ports in accordance with Detai	11 E635-01										S	Subtoto Total	l ol	6	54 97.8	<i>32</i> <i>96</i>	EAS	FEDERAL HIG TERN FEDERA STEF	ENT OF TRANSPORT, HWAY ADMINISTRA LANDS HIGHWAY I LING, VIRGINIA NATIONAL FOF	ATION DIVISION
2	. See "Manu	ual on Uniform Traffic Contro Is 635-6, E635-07A and E63	l Devices, 200	03 Edit.	ion" and	d "Sta	andard H	Highway	Signs"	for di	imensic	ns.	Roui	nded T	otal		100	100		NSTR	UCTION S	

4. See Temporary Traffic Control Plan.





PROJECT DESCRIPTION

This project will include reconstructing a retaining wall, restoring gravel surface, and other miscellaneous work at the Buckeye Vista Overlook on Caddo Road (CR-64). This site is located in the Ouachita National Forest, Polk County, Arkansas.

EXISITING CONDITIONS

The overlook is currently unpaved, and will remain unpaved. The terrain is mountainous.

CRITICAL AREAS

The land disturbances in the retaining wall area and pull-off area are considered critical areas that require installation of perimeter control (silt fence, check dams and temporary culvert) to control erosion and sediment.

SEQUENCE OF CONSTRUCTION

Obtain the CO's approval for any revisions to the sequence of construction.

- Clear and grub those areas necessary for installation of perimeter sediment controls.
- 2. Prior to any land disturbance, install all erosion control perimeter according to the erosion control plan.
- 3. Remove the existing stone retaining wall and construct mechanically stabilized earth wall with stone facing.
- 4. Stabilize finished slopes and other disturbed areas, including any soil disturbed as a result of removal of sediment controls.

II. EROSION AND SEDIMENT CONTROL MEASURES

STRUCTURAL MEASURES WILL INCLUDE

Silt Fence (157.05): A system of silt fence is proposed for filtering runoff from disturbed areas before it enters any environmentally sensitive areas.

Temporary culvert (157.09): A system of temporary 12" culvert (flexible plastic) is proposed to convey clean water from offsite through the work zone to an existing roadside ditch along Caddo Road.

Temporary Check Dam (157.10): A system of temporary check dams (riprap class I) are proposed for filtering runoff and reducing the velocity of runoff in the existing ditches before it enters any environmentally sensitive areas.

VEGETATIVE MEASURES WILL INCLUDE

Following initial soil disturbance or redisturbance, complete permanent or temporary stabilization within seven (7) calendar days on the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 1 vertical to 2 horizontal (1:2); and within fourteen (14) calendar days on all other disturbed or graded areas on the project site.

MAINTENANCE

Unless stated otherwise, construct and maintain all vegetative and structural erosion control practices according to the FP-03, Section 157.

Inspect all erosion and sediment control measures weekly, or more frequently where specified in the plans or directed by the CO, and after each significant rainfall. Identify any damaged devices and assess the adequacy of the erosion control plan. Repair or replace all damaged erosion and sediment control devices by the end of the day. Submit suggested improvements to the erosion control plan to the CO for approval. Document the inspections according to Subsection 107.01.

Silt Fence: Check silt fence for undermining or deterioration of the fabric. Remove the accumulated sediment in order to ensure proper functioning of the silt fence installation.

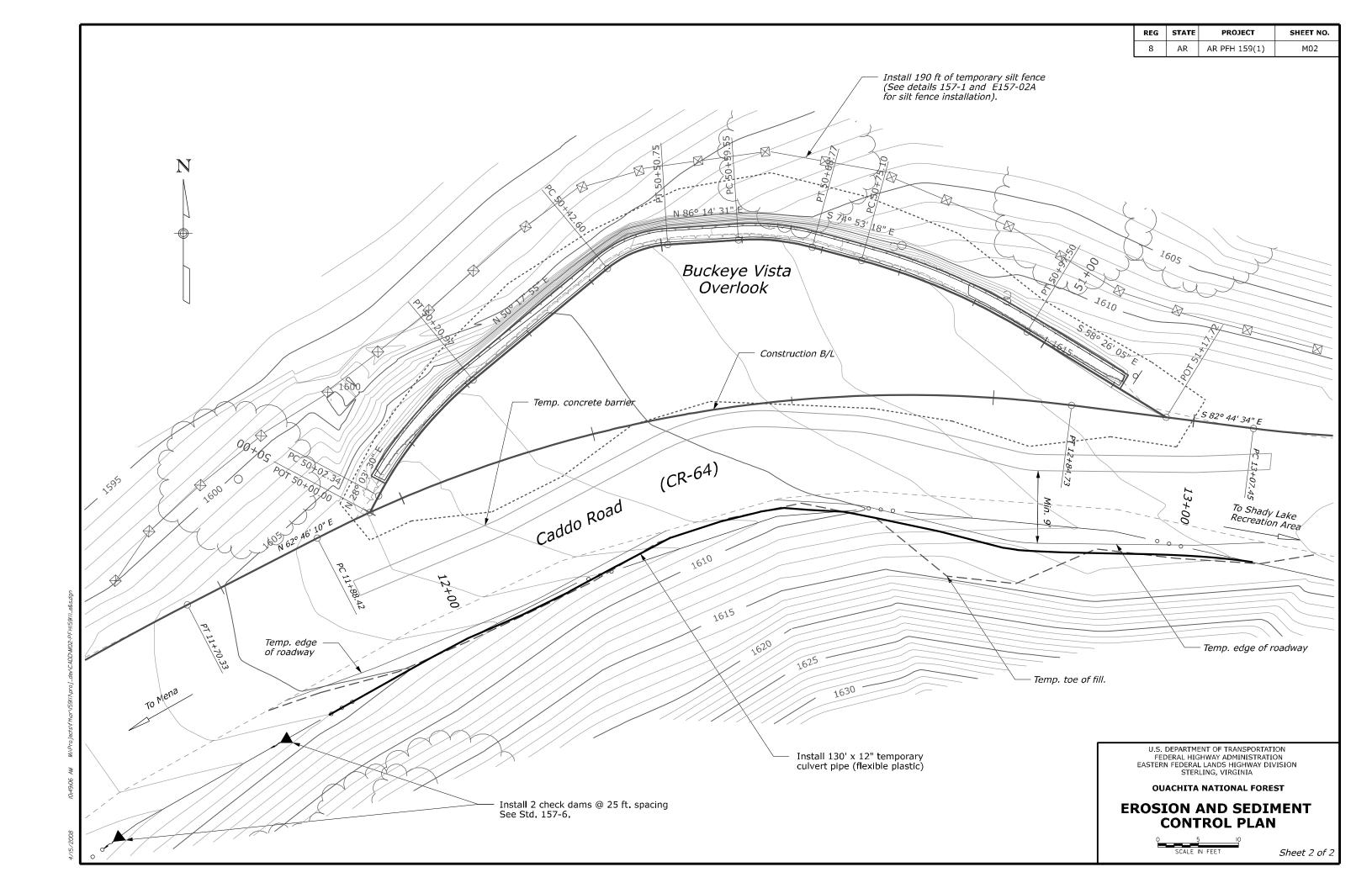
Temporary Culvert (157.09): Check temporary culvert for undermining or deterioration. Repair or replace damaged temporary culvert to ensure proper functioning of the temporary culvert installation.

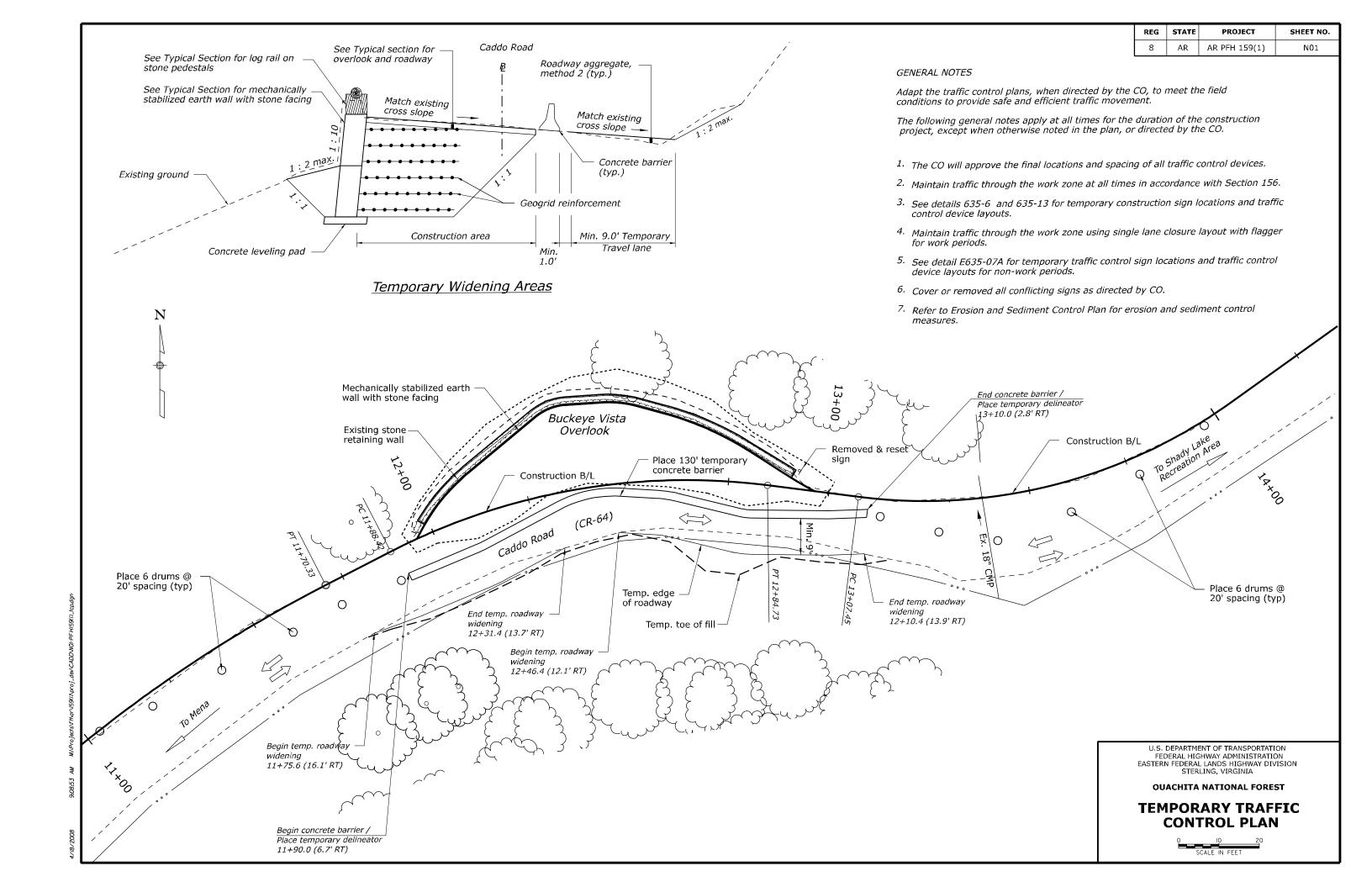
Temporary Check Dam: Check temporary check dam for undermining or deterioration. Remove the accumulated sediment and rearrange the riprap in order to ensure proper functioning of the check dams.

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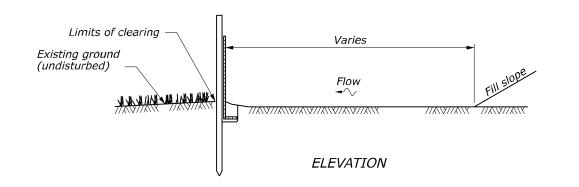
OUACHITA NATIONAL FOREST

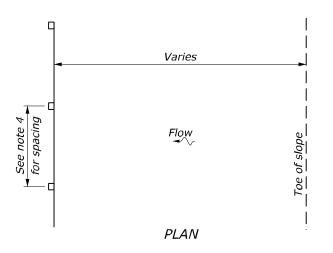
EROSION AND SEDIMENT CONTROL NARRATIVE



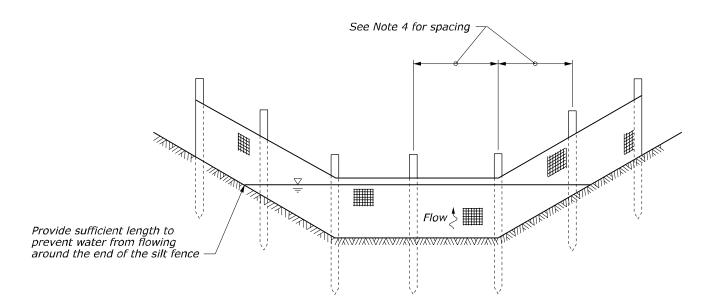


POST AND GEOTEXTILE INSTALLATION DETAIL





SILT FENCE INSTALLATION AT TOE OF FILL



SILT FENCE INSTALLATION IN A DRAINAGE DITCH See Note 1

NOTE:

- 1. Use drainage ditch installation for low flow conditions only when specified on Erosion Control Plan.
- 2. Alternate preassembled silt fence options (geotextile, type V-B) will be allowed as long as specified dimensions are satisfied. Follow manufacturer's recommendations for installation procedures. All types must ensure silt fence remains attached to, and does not slide down, supporting posts.
- Install silt fence along ground contours. Curve ends
 of silt fence upgrade to prevent water from running
 around the ends.
- 4. 10 ft. (max.) spacing with fence support. 6 ft. (max.) spacing without fence support.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

SILT FENCE

STANDARD APPROVED FOR USE 6/2005 REVISED: 6/2007

STANDARD 157-1

NO SCALE

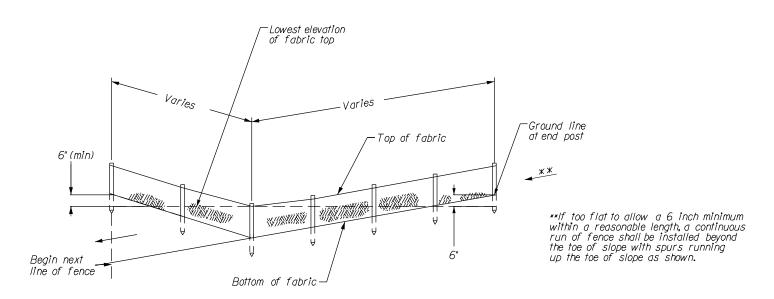
-Toe of slope

Fabric

I. See Standard Detail 157-I for silt fence installation details.

Notes:

2. Provide turn-ins where silt fence is shown running perpendicular to ground contours.
Use small sections of silt fence to filter out sediment before run-off reaches a sag point or overtops the silt fence. Provide turn-ins and breaks as silt fence crosses temporary slope drains to keep excess water from building up against the silt fence.



-Lines of silt fence —

Post -

· Contours (typ)

(TP, A, B, or C)

PLAN

SECTION C-C

| - - - Varies - - - - |

Ø

Varies

Varies

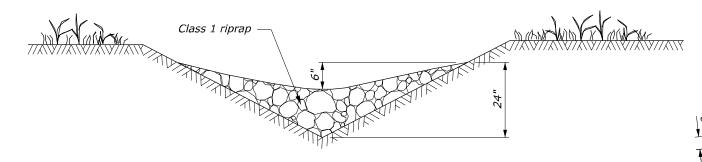
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION

DETAIL

SILT FENCE (HOOKED)

NO SCALE

DETAIL APPROVED FOR USE DETAIL REVISED: EI57-02A



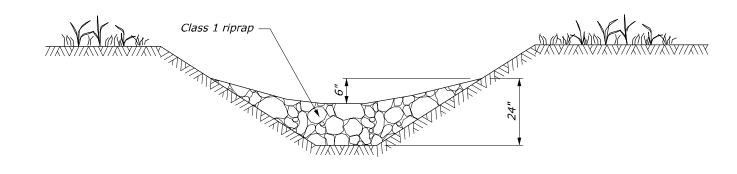
CHECK DAM SPACING *(S)* Class 1 riprap -- 1V:1.2H (typ.) Ponded water DITCH GRADE (G)

CROSS SECTION

V DITCH

PROFILE VIEW

DITCH



DITCH GRADE * (G)	CHECK DAM SPACING S (ft)
2%	<i>75</i>
3%	50
4%	40
5%	30
6%	25

* Do not use Check Dams below 2% or above 6% ditch grades

CROSS SECTION

TRAPEZOIDAL DITCH

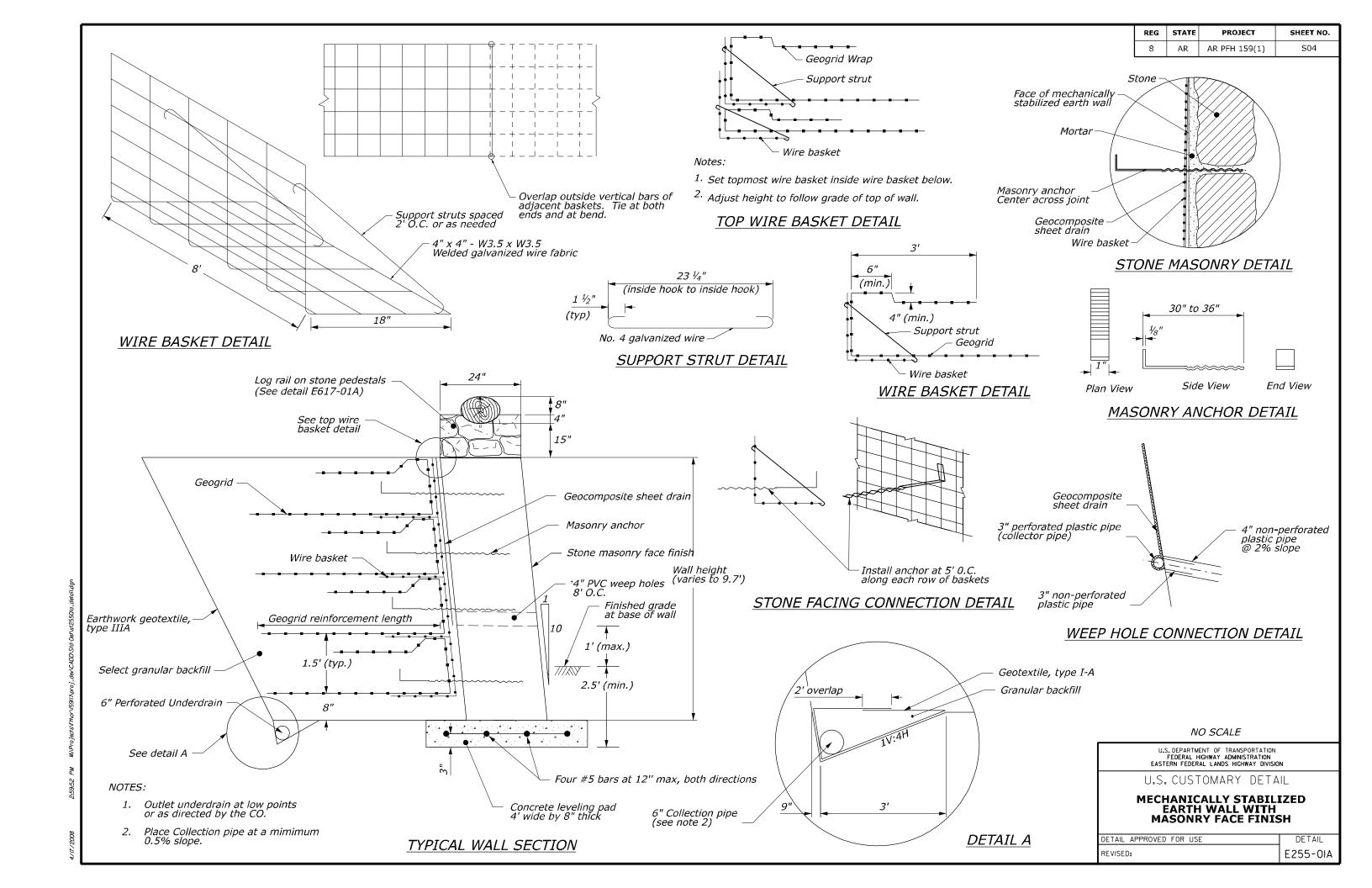
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

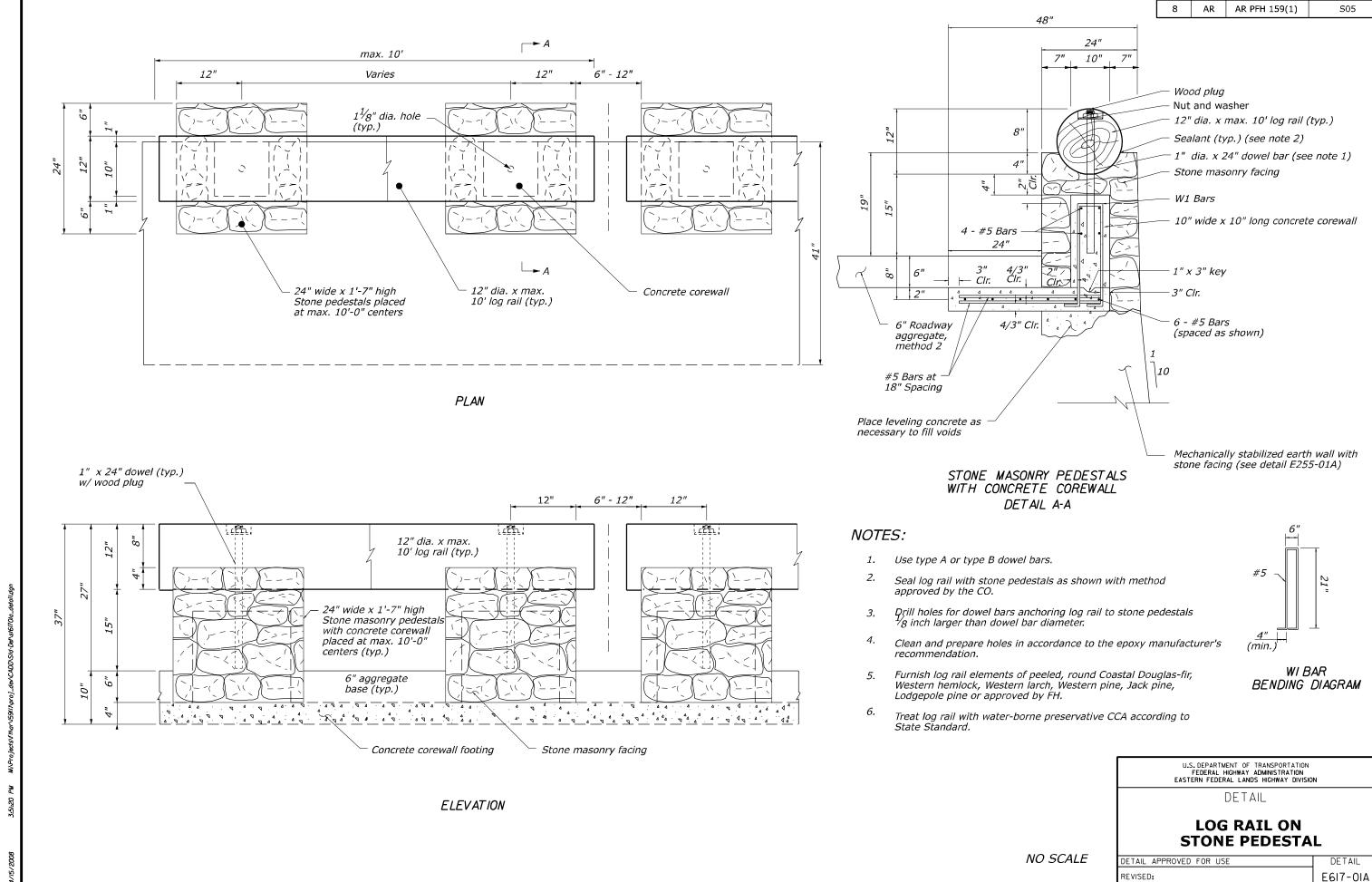
U.S. CUSTOMARY STANDARD

CHECK DAM

NO SCALE

STANDARD APPROVED FOR USE 6/2005 STANDARD REVISED: 6/2007 157-6



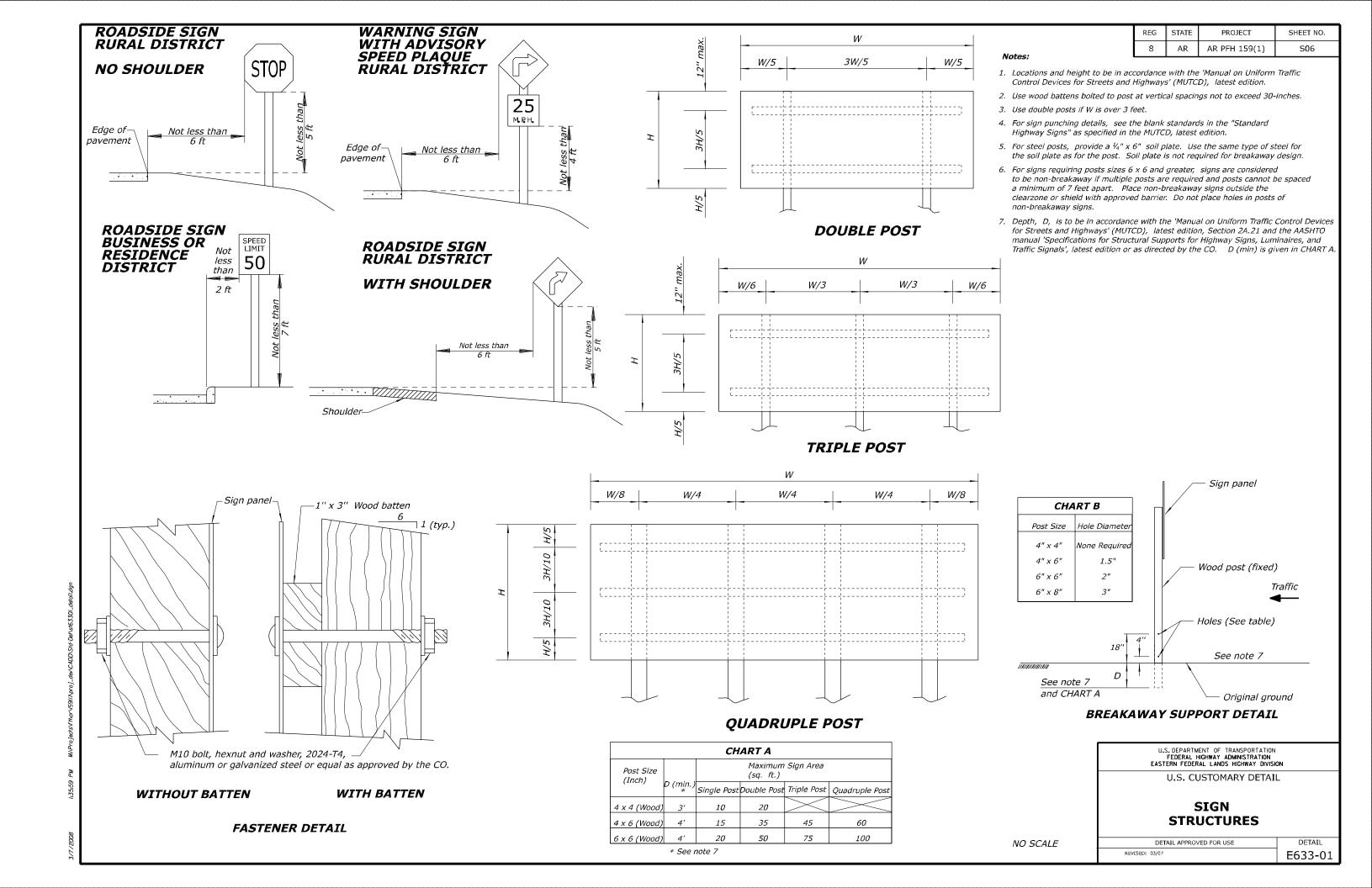


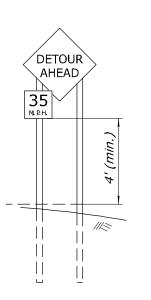
PROJECT

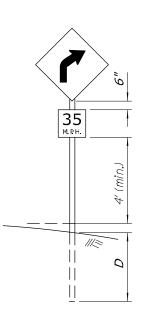
REG

STATE

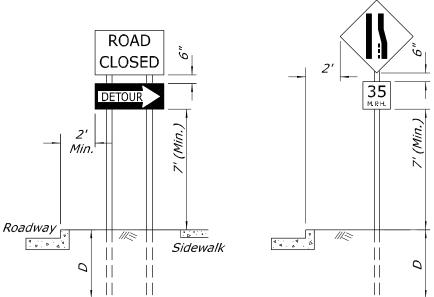
SHEET NO.

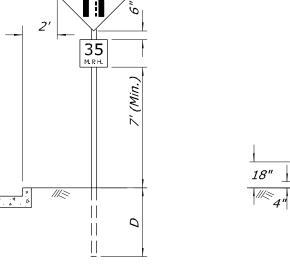




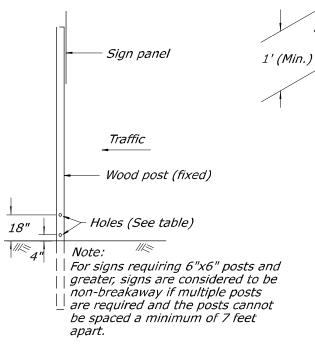


RURAL AREA









BREAKAWAY SUPPORT DETAIL (FIXED SIGNS - 4" x 6" AND GREATER POSTS)

FIXED ROADWAY SIGNS

Post size	D	Hole Dia.	Maximum Sign Area - Sq. ft.							
PUST SIZE	D	Hole Dia.	1 Post	2 Posts	3 Posts	4 Posts				
4" x 4"	4'	None Req'd	10	20	\nearrow	\mathbb{X}				
4" x 6"	4'	1.5"	><	35	50	70				
6" x 6"	5'	2"	><	50	<i>75</i>	100				
6" x 8"	5'	3"	><	85	125	165				

Notes:

- 1. Wood posts are 4"x 4" unless otherwise indicated.
- 2. Mount signs that are wider than 3-feet or larger than 10 square feet on double
- 3. All lumber dimensions are nominal.
- 4. The Contractor may submit alternate details for portable signs, however, sign mounts hold the sign face in a vertical plane. Portable signs may be mounted lower than fixed signs when approved by the CO. Ensure all portable sign supports meet the requirements of NCHRP-350 for crashworthiness.
- 5. When parking is permitted within 200 feet of the sign, mount the sign a minimum of 7 feet above the pavement surface.
- 6. When approved by the CO and the Utility Company, utility poles may be used for sign mounting.
- 7. For posts greater than 4" x 4" see the Breakaway Support Detail. If breakaway design cannot be used, due to post spacing, the sign should be placed outside the clearzone or be shielded by barrier. Do not place holes in posts of non-breakaway signs

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION STERLING, VIRGINIA U.S. CUSTOMARY DETAIL

CONSTRUCTION TRAFFIC CONTROL SIGN MOUNTING

DETAIL APPROVED FOR USE 02/2007 DETAIL

NO SCALE

RIGHT LANE

CLOSED AHEAD

1' (Min.)

35 _M

(See note 5)

PORTABLE SIGNS

(See note 4)

E635-01

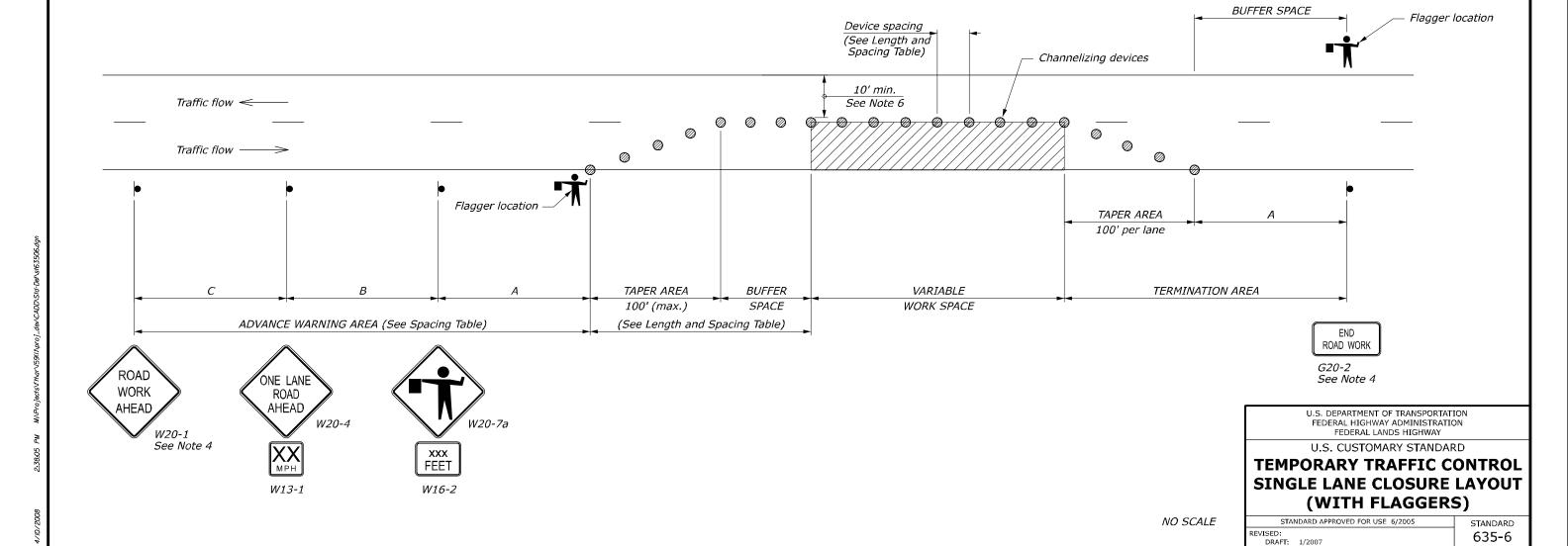
LENGTH AND SPACING TABLE									
APPROACH	LENGTH OF	CHANNELIZING DEVICE							
SPEED*	BUFFER SPACE	TAPER	BUFFER	WORK					
MPH	FFFT	AREA	SPACE	SPACE					
PIFIT	ILLI	SPACING IN FEET							
25	<i>155</i>	20	50	50					
30	200	20	60	60					
35	250	20	70	70					
40	305	20	80	80					
45	360	20	90	90					
50	425	20	100	100					
55	495	20	110	110					

*	Approach speed based on the regulatory posted speed,
	not the advisory speed.

SIGN SPACING TABLE									
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET								
	Α	В	С						
Urban 40 MPH and less	100	100	100						
Urban 45 MPH and greater	350	350	350						
Rural	500	500	500						
Expressway/Freeway	1000	1500	2640						

NOTE:

- 1. Signs are shown for one direction of travel only. Place devices similar to those depicted for the opposite direction of travel.
- 2. Final location and spacing of signs and devices may be changed to fit field conditions as approved by the CO.
- 3. For pilot car operation, mount the PILOT CAR FOLLOW ME (G20-4) sign at a conspicuous location on the rear of vehicle. Prominently display the name of the contractor on the pilot car.
- 4. If closure is completely within the project limits, eliminate the "ROAD WORK AHEAD" (W20-1) and "END ROAD WORK" (G20-2) signs.
- 5. For night time flagging operation, provide floodlighting at flagger stations.
- 6. For project specific minimum width, refer to Special Contract Requirements, Section 156.
- 7. Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.
- 8. If signs will be in place more than 72 consecutive hours, use ground-mounted post.



REG	STATE	PROJECT	SHEET NO.
8	AR	AR PFH 159(1)	S09

Type B Warning Light (Optional)

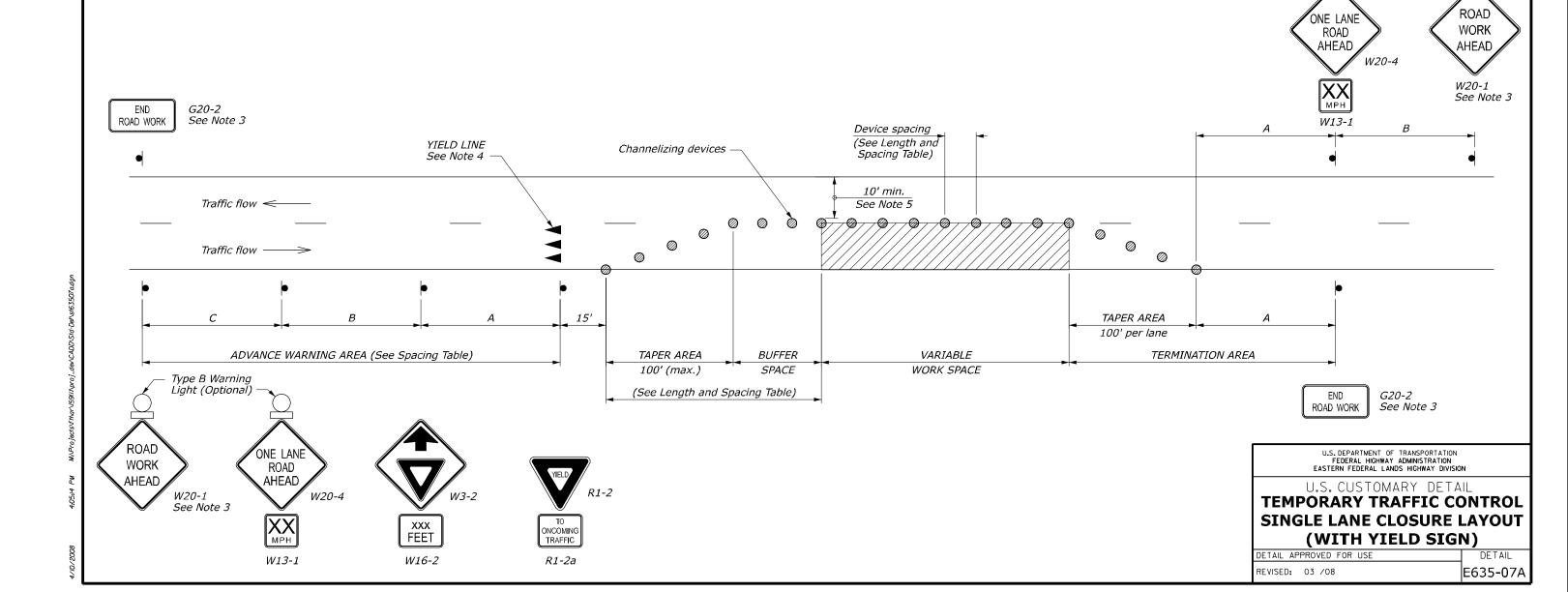
LENGTH AND SPACING TABLE					
APPROACH	LENGTH OF	CHANNELIZING DEVICE			
SPEED*	BUFFER SPACE	TAPER	BUFFER	WORK	
MPH	FFFT	AREA	SPACE	SPACE	
MPH	FEET	SPACING IN FEET			
25	<i>155</i>	20	50	50	
30	200	20	60	60	
35	250	20	70	70	
40	305	20	80	80	
45	360	20	90	90	
50	425	20	100	100	
55	495	20	110	110	

*	Approach speed based on the regulatory posted speed,	
	not the advisory speed.	

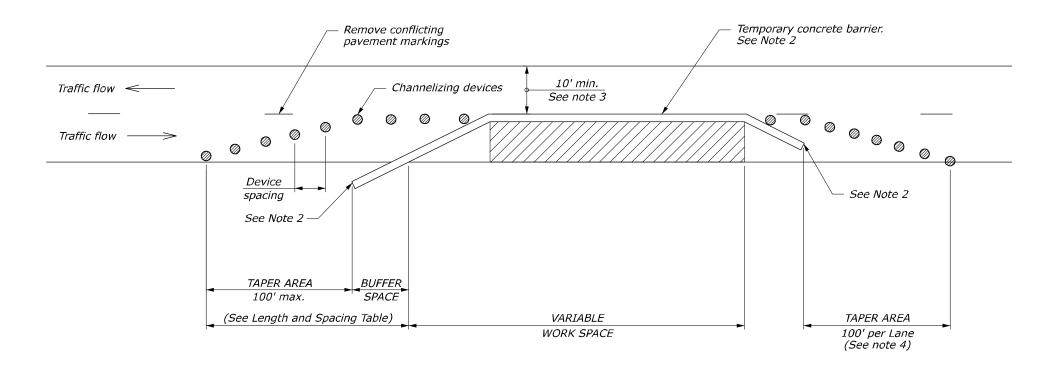
SIGN SPACING TABLE				
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET			
	Α	В	С	
Urban 40 MPH and less	100	100	100	
Urban 45 MPH and greater	350	350	350	
Rural	500	500	500	
Expressway/Freeway	1000	1500	2640	

NOTES:

- 1. Final location and spacing of signs and devices may be changed to fit field conditions as approved by the CO.
- 2. If lane closure is completely within the project limits, eliminate the "ROAD WORK AHEAD" (W20-1) and "END ROAD WORK" (G20-2) signs.
- 3. If the surface is paved, install yield lines that comply with Section 3B.16 of the MUTCD.
- 4. For project specific minimum width, refer to Special Contract Requirements, Section 156.
- 5. Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.
- 6. If signs will be in place more than 72 consecutive hours, use ground-mounted post.



- 1. Install signs and other devices for single lane closure according to Standard 635-6, 7, 8, or 9. Final location and spacing of signs and devices may be changed to fit field conditions as approved by the CO.
- 2. Place barrier according to the Roadside Design Guide published by the American Association of State Highway and Transportation Officials (AASHTO). Terminate barrier ends outside the clear zone or protect the ends of the barrier with a crash cushion.
- 3. For project specific minimum width, refer to Special Contract Requirements, Section 156.
- 4. Place channelizing devices at downstream taper during non-work hours or when access is not needed.
- 5. Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.
- 6. Reduce or eliminate drums and barrier in downstream taper if necessary to provide access to work space.



LENGTH AND SPACING TABLE

TAPER

AREA

20

20

20

20

20

20

20

LENGTH OF

BUFFER SPACE

FEET

155

200

250

305

360

425

495

* Approach speed based on the regulatory posted speed,

APPROACH

SPEED*

MPH

25

30

35

40

45

50

55

not the advisory speed.

CHANNELIZING DEVICE

BUFFER

SPACE

SPACING IN FEET

50

60

70

80

90

100

110

WORK

SPACE

50

60

70

80

90

100

110

CONCRETE

BARRIER FLARE

RATE

1:8

1:8

1:9

1:10

1:12

1:14

1:16

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

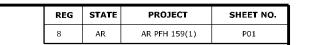
U.S. CUSTOMARY STANDARD

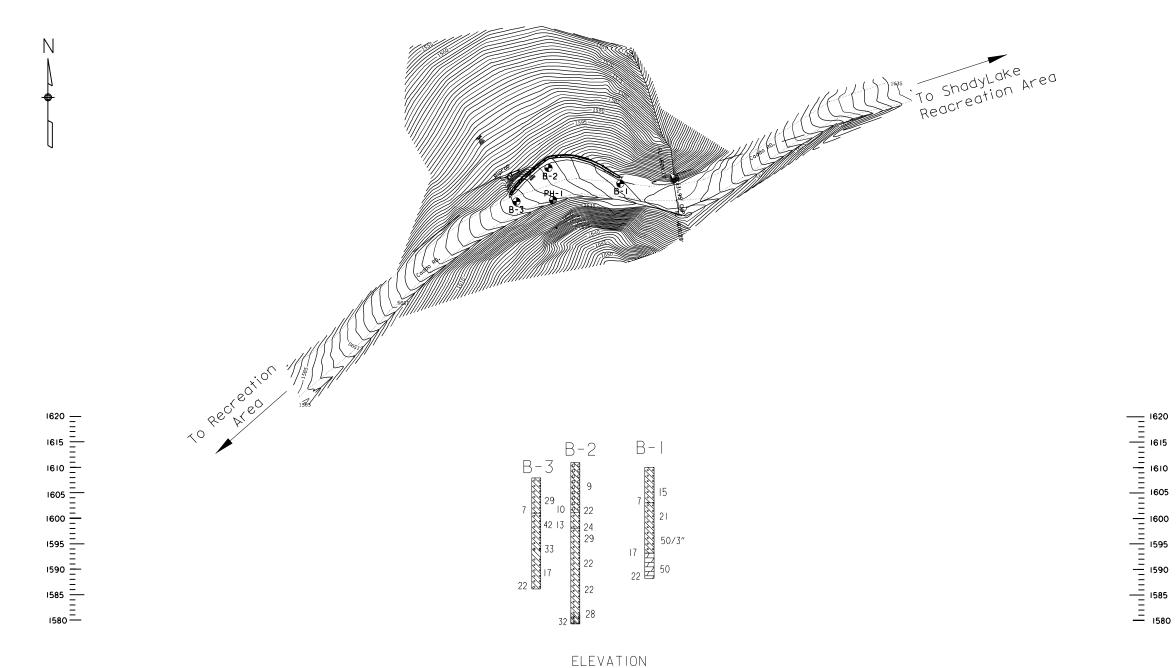
TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE LAYOUT WITH TEMPORARY BARRIER

STANDARD APPROVED FOR USE 6/2005 REVISED:

NO SCALE

STANDARD 635-13 DRAFT: 1/2007





THE BORING LOGS ON THIS SHEET REPRESENT
THE SUBSURFACE CONDITIONS ENCOUNTERED
AT THE BORING LOCATIONS SHOWN. SUBSURFACE
CONDITIONS MAY VERY BETWEEN THESE LOCATIONS.

Nar√59	SYMBOL	TYPE OF MATERIAL	SYMBOL	TYPE OF MATERIAL	TEST E	BORING	MISCELLANEOUS	
jects∀/		GRAVEL PAVEMENT		CLAY W/ CHERT GRAVEL LAYERS			I. SPT - STANDARD PENETRATION TEST - AASHTO T206-74	
M:\Pro	5.000 5.000 5.000	GRAVEL	2.60 2.60 2.404	BOULDERS	WATER LEVEL (WL)	N BLOWS/12" (SPT) J-N JAR SAMPLE NO.	2. R - REFUSAL, SPT 100 BLOWS/12" 3. CR% - PERCENT OF RECOVERY 4. RQD - ROCK QUALITY DESIGNATION	
9 AW	0 00 00 0 00 00 0 00 00	SILT and SAND		BEDROCK	WATER LEVEL (WL) S	CR% ROD	5. BHT - BORE HOLE TERMINATED 6. BHR - BORE HOLE REFUSAL 8	
10:36:1		SANDY CLAY			(TIME OF DRILLING)	N N	7. GEOPHYSICAL TEST SITE: SEISMIC RESISTIVITY	
		SILTY SAND			DEPTH MARKS	N N	<u> </u>	
5008		CLAYEY SILT						
4/21/2		CLAY			BHT OR BHR			

BUCKEYE VISTA PROJECT AR PFH 159(1) GEOTECHNICAL REPORT NO. 07-04

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION STERLING, VIRGINIA

OUACHITA NATIONAL FOREST

BORING LOCATION PLAN AND SUBSURFACE PROFILE

SCALE IN FEET

10:36:19 AM M:\Projects\fn\ar\59(1\pr

